## **Claims**

1. A method for treating a patient in need of a drug metabolized primarily by CYP3A, which comprises detecting CYP3A levels in said patient.

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- 2. The method of claim 1, wherein the drug metabolized primarily by CYP3A is nemorubicin.
- 3. A method for optimizing the therapeutic efficacy of a drug metabolized primarily by CYP3A in a patient in need thereof, which comprises predicting the sensitivity of the patient towards said drug through the detection of CYP3A levels in a biological sample of said patient and selecting a therapeutically effective amount of said drug based on the above CYP3A levels.
- 15 4. The method of claim 3, wherein the drug metabolized primarily by CYP3A is nemorubicin.
  - 5. A method for treating a cancer sensitive to a drug metabolized primarily by CYP3A, which comprises:
- 20 (a) obtaining a biological sample from a patient suffering from said cancer;
  - (b) detecting the amount of CYP3A in said sample; and
  - (c) selecting a therapeutically effective amount of said drug based on the above CYP3A levels.
- 25 6. The method of claim 5, wherein the drug metabolized primarily by CYP3A is nemorubicin.
  - 7. A method for predicting patient's sensitivity to a drug, wherein said drug is metabolized by CYP3A, said method comprising determining levels of CYP3A in said patient and wherein the patient's sensitivity to said drug is effected by CYP3A activity.

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8. The method of claim 7, wherein the drug metabolized by CYP3A is nemorubicin.

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- 9. A kit for detecting the amount of CYP3A in a biological sample for use in a method for treating a cancer sensitive to a drug metabolized by CYP3A.
  - 10. The kit of claim 9, wherein the drug metabolized by CYP3A is nemorubicin.